

Abstract Submitted  
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**Introducing Quantum Causality Threshold into General Relativity** DMITRI RABOUNSKI, FLORENTIN SMARANDACHE, LARISSA BORISSOVA | An ultimate case occurs as soon as the space rotation velocity reaches light velocity. If particles A and B are located in the space entirely in this ultimate state, neither A nor B can be the cause of events located “over” the spatial section. So in this ultimate case the entire space-time is in a special state called the Quantum Causality Threshold. Particles located in General Relativity’s space-time reach the Quantum Causality Threshold as soon as the space rotation reaches light velocity. Quantum Causality Threshold is impossible if the space does not rotate (holonomic space), or if it rotates at a sub-light speed. Thus, the Quantum Causality Threshold has been introduced into General Relativity.

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